1. Originator Cherry Kenney	2. Log Date: 07/02/03	3. CCR #: 03-0465	4. Rev: —	5. Tel: 301-883-4177	6. Rm #: 2071H	7. Dept. SE

8. CCR Title: Patch_6A.07_DPL.010

9. Originator Signature/Date **Cherry Kenney /s/ 07/02/03**	10. Class **II**	11. Type: **CCR**	12. Need Date: 02July03

13. Office Manager Signature/Date **Carolyn Whitaker /s/ 07/02/03**	14. Category of Change: Other	15. Priority: (If "Emergency" fill in Block 27). Emergency

16. Documentation/Drawings Impacted *(Review and submit checklist)*:	17. Schedule Impact:	18. CI(s) Affected:DPL

19. Release Affected by this Change: 6A	20. Date due to Customer: 02July03	21. Estimated Cost: None - Under 100K

22. Source Reference: ☐**NCR (attach)**   ☐**Action Item**   ☐**Tech Ref.** ☐**GSFC** ☒**Other:**
34790, 36380, 37347, 37409, 37389, 37472, 37520, 37554 , 37064, 37629, 37686, 37540, 37305, 36713

23.   Problem: (use additional Sheets if necessary)
This patch delivers the monthly rollup of DPL.

24. Proposed Solution: (use additional sheets if necessary)
Patch_6A.07_DPL.10   to all DAACs

25. Alternate Solution: (use additional sheets if necessary)
Wait until next DPL delivery

26. Consequences if Change(s) are not approved: (use additional sheets if necessary)
Identified DPL   problems will continue.

27. Justification for Emergency (If Block 15 is "Emergency"):
DAACs requested fixes for NCRs.

28. Site(s) Affected: ☒EDF   ☒PVC   ☒VATC ☒EDC   ☒ GSFC ☒LaRC   ☒NSIDC   ☐SMC ☐AK ☐JPL
☐EOC   ☐ IDG Test Cell   ☐Other

29. Board Comments:	30. Work Assigned To:	31. CCR Closed Date:

32. EDF/SCDV CCB Chair (Sign/Date): **Mary S. Armstrong /s/ 07/02/03**	**Disposition:** Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS
33. M&O CCB Chair (Sign/Date): **Pamela Johnson /s/ 07/02/03**	**Disposition:** Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS
34. ECS CCB Chair (Sign/Date):	**Disposition:** Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS

ADDITIONAL SHEET

CCR #: 03-0465   **Rev:**   **— Originator:** Cherry Kenney

Telephone: 301-883-4177   **Office:** 2071H

Title of Change: Patch_6A.07_DPL.10

Actions

ClearCase Group(CSG):

Please make the following tarfiles from the 6A07EBF1 baseline

Please make a SOL8 tar file with the following packages:

   .EcDl.pkg
   .EcDlWebAccess.pkg

Please make a IRIX tar file with the following packages:

   .EcDlDatabase.pkg
   .EcDlAmassAccess.pkg

Please name this tar file Patch_6A.07_DPL.10

Block 22& 23 continued from page 1

ECSed34790 SEV2 GSFC DAAC WebAccess: Response time too slow for summary counts
ECSed36380 SEV5 GSFC DAAC Switch off/on fact and browse table population and cleanup in DataPool database
ECSed36713 SEV3 GSFC DAAC Exec orphaned when Quick Server was bounced
ECSed37347 SEV5 EDC DAAC Two ftp directories for aster L1B
ECSed37472 SEV5 EDC DAAC ConvertEnabledFlag should be set for new HEG data types
ECSed37629 SEV2 EDC DAAC Improve security for 5 DPL scripts
ECSed37554 SEV2 NSIDC DAAC Order Status and Control GUI - Security Problem
ECSed37064 SEV3 LaRC DAAC DPIU: Filename length not validated for nonECS granules
ECSed37409 SEV3 EDF Can't retroactively associate granules to themes
ECSed37389 SEV3 EDF Merge of sql statements and deallocate cursor
ECSed37686 SEV3 EDF Webaccess: applet won't wrap spatial aois around international dateline
ECSed37305 SEV2 EDFQuickserver starts when it can't bind to listen port
ECSed37520 SEV3 PVC Database: DIHEGLookup Table needs version ID
ECSed37540 SEV5 PVC WebAccess: help text for HEG-supported ESDTs should be generic

Patch/TE Dependencies

   If GDAAC installs Patch_6A.07_DPL.10 it will break the checksum functionility which was recently installed for Trouble Ticket 5918. Therefore, GDAAC should defer installation of Patch_6A.07_DPL.10 until Landover delivers a new version of the TT5918 checksum functionality which will work with Patch_6A.07_DPL.10

Patch _6A.07_DPL.10 supersedes TE_6A.07_DPL.09(EDC DAAC only).

Patch_6A.07_DPL.10 must be installed on top of Patch_6A.07_DPL.08C.

DAAC INSTALL INSTRUCTIONS

A. PRE - INSTALLATION

1. Copy the *irix65* tar files into the <staging_area>/IRIX65 directory

2. Copy the *sun5.8* tar files into the <staging_area>/SOL8/ directory

3.. Using the Setup.ksh files untar the tar files in both directories

4. When prompted, you will not need to install a new version of EcsAssist.

5. cd <staging_area>/IRIX65/CUSTOM/dbms

   chmod -R 775 *

6. Bring down all DPL processes

7. Bring down tomcat

8. Bring down apache

9. Logon to each host where there is an archive as amass or root

cd /usr/ecs/<mode>/CUSTOM/bin/COMMON

chown cm<mode> : cm<mode> fileincache

cd /usr/ecs/<mode>/CUSTOM/bin/DPL

chown cm<mode>:cm<mode> fileVolume

B. INSTALLATION:

1. Logon to any SUN host and install the listed packages using E.A.S.I

 .EcDl.pkg

 .EcDlWebAccess.pkg
 .EcDlDatabase.pkg
 .EcDlAmassAccess.pkg

2. Set permissions for fileincache and filevolume utilities

 a. On each archive host where the EcDlAmassAccess.pkg is installed logon as root or su to root.

 b. Change the owner:group of the fileincache and fileVolume executables:

chown amass:<group> /usr/ecs/<MODE>/CUSTOM/bin/COMMON/fileincache
chown amass:<group> /usr/ecs/<MODE>/CUSTOM/bin/DPL/fileVolume

 c. Change the permissions to enable "sticky bit" using the commands.

chmod 4775 /usr/ecs/<MODE>/CUSTOM/bin/COMMON/fileincache
chmod 4775 /usr/ecs/<MODE>/CUSTOM/bin/DPL/fileVolume

3. Change the <group> to to the appropriate group for your installation. The "appropriate group" is any group to which the user that starts QuickServer(cmshared or allmode) belongs.

C. CONFIGURATION:

Bring up ECS Assist on xxdpsnn host. Using the Subsystem Manager, run EcDlWebAccessMkcfg (Update Apache web server httpd.conf file with new port number for order status control gui)   and EcDlInsertUtilityMkcfg

For EcDlWebAccessMkcfg the following new parameter was added

Parmater   Value
HTTP_SECURE_PORT <enter port number for the secured web server>

 The new HTTP_SECURE_PORT parameter has been added for the Data Pool Order GUI, in response to NCR 37554.   This GUI will no longer be accessible from outside the firewall on the Data Pool Web Access port.   The ECS Software Port Mapping Baseline document (910-TDA-002) has been modified to assign new port numbers for the Order GUI. See .cfgpatch for appropriate port numbers

For EcDlInsertUtilityMkcfg the following new parameter were added: INSERT_BROWSE and USE_DATAWAREHOUSE

If INSERT_BROWSE = Y, browse granules will be inserted into the Data Pool if their associated science granule(s) is(are) inserted into the Data Pool.   This is the default configuration.   If INSERT_BROWSE = N, browse granules will not be inserted into the Data Pool for any collection.

If USE_DATAWAREHOUSE = Y, rows will be inserted into the Data Warehouse Fact tables in the Data Pool database (DlFactGroupESDT, DlFactQA, DlFactTemporal, DlFactSpatial, DlFactTimeOfDay, DlFactDayNight) when a granule is inserted into the Data Pool.   This is the default configuration.   If USE_DATAWAREHOUSE= N, the fact tables will not be populated when granules are inserted into the Data Pool.   This will improve insert performance, but granules inserted without fact table population WILL NOT BE VISIBLE to end users accessing the Data Pool via the Web Access GUI.

D. DATABASE INSTALLATION

1. Logon to the xxacgnn host (where the the DPL Database Package is installed)

2. Bring up Ecs Assist Subsystem Manager and patch the DPL database up to Patch 6141

   Patch Number Patch Description

   6119 - patch was delivered in 6A.07 release
   6121 - patch was delivered in Patch_6A.07_DPL.02
   6123 - patch was delivered in Patch_6A.07_DPL.02
   6125 - modified stored procedures for NCR 36655(delivered in Patch_6A.07_DPL.04)
   6127 - also modified ProcDeleteProcess for NCR 36796 and modified stored procedures for Access Stats NCRs 3874/36160(delivered in Patch_6A.07_DPL.04)
   6129 - NCR37145 - ProcGetFileVolumeGroup needs to look for granules in the closed Volume Group(delivered in Patch_6A.07_DPL.08C)
   6131 - NCR 36917 - remove identity columns; NCR35328 - Batch Insert procs; NCR36797 - wrong granule size; NCR37059 theme stat table; NCR36399 - Remove ProcInsertDlFactSpatial; NCR36798 - update ProcGetScienceGranFiles to return (delivered in Patch_6A.07_DPL.08C)-
   6133-NCR 37271: ProcInsertFtpGranuleAccess and ProcInsertWebGranule Access; NCR 37078: ProcUpdateDlStatGroup, ProcUpdateDlStatESDT, and ProcUpdateDlStatTheme. correct message; NCR37078: stats script take too long; NCR37079: add size to DlStatESDT. (delivered in   Patch_6A.07_DPL.08C)-
   6135 - NCR 37324: ProcInsertECSActions and ProcInsertNonECSActions(delivered in Patch_6A.07_DPL.08C)
   6137 - NCR 37409: ProcMakeThemeRetroactive
   6139 - NCR 37389 Modified ProcCopySdsrvGranInventory
   6141 - NCR 37520 and 37472 ProcInsertCollections and DlHEGLookup table changes

E. POST INSTALLATION

1. Bring up tomcat

2. Bring up apache

3. Bring up DPL processes

NOTE: If the DAAC wishes to "advertise" a collection as supported for HEG conversion via the Data Pool, the DAAC must manually set the convertEnabledFlag to Y in the DlCollections table for that collection. The convertEnabledFlag should only be set to Y if the collection is present in the DlHEGLookup table.   The DlHEGLookup table has been updated with this patch to contain the list of all collections currently supported by the Data Pool HEG (except MOD29.003 and MOD29.004, which are also supported)."